

In the claims:

1. (Currently amended) A catalyst for oxidizing a reformed gas for removing carbon monoxide contained in the reformed gas, comprising

a zeolite-containing carrier and a platinum alloy carried thereon,

wherein the zeolite containing carrier is mordenite, and

wherein the platinum alloy consists essentially of the amount of the alloy platinum and 20-50 at.% of a second metal other than platinum contained in the platinum alloy is 20-50 at.%, wherein the second metal is at least one member selected from the group consisting of ruthenium, iron, rhodium, cobalt, molybdenum, nickel and manganese.

2. (canceled)

3. (New) The catalyst of claim 2, wherein said alloy metal other than platinum is ruthenium.

4. (New) The catalyst of claim 2, wherein said alloy metal other than platinum is iron.

5. (New) The catalyst of claim 1, wherein said mordenite has a mean pore size of about 7 Å.

6. (New) The catalyst of claim 1, wherein said reformed gas is hydrogen gas.

7. (New) The catalyst of claim 1, wherein said amount of alloy metal other than platinum contained in the platinum alloy is 30-40 at.%

8. (New) The catalyst of claim 1, wherein said catalyst is adapted to convert at least

60% carbon monoxide.

9. (New) A method of removing carbon monoxide from reformed gas comprising selectively oxidizing carbon monoxide by contacting the reformed gas with a catalyst according to claim 1.

10. (New) A catalyst for oxidizing a reformed gas for removing carbon monoxide, comprising

a zeolite-containing carrier and a platinum alloy carried thereon, wherein the zeolite containing carrier is mordenite and the amount of alloy metal other than platinum contained in the platinum alloy is 20-50 at.%, wherein said catalyst exhibits the property of selectively oxidizing carbon monoxide in a reformed gas.

11. (New) A catalyst for oxidizing a reformed gas according to claim 10, wherein the alloy metal other than platinum of the platinum alloy is selected from the group consisting of ruthenium, iron, rhodium, cobalt, molybdenum, nickel and manganese.

12. (New) The catalyst of claim 11, wherein said alloy metal other than platinum is ruthenium.

13. (New) The catalyst of claim 11, wherein said alloy metal other than platinum is iron.

14. (New) The catalyst of claim 10, wherein said mordenite has a mean pore size of about 7 Å.

15. (New) The catalyst of claim 10, wherein said reformed gas is hydrogen gas.

16. (New) The catalyst of claim 10, wherein said amount of alloy metal other than

platinum contained in the platinum alloy is 30-40 at. %

17. (New) The catalyst of claim 10, wherein said catalyst is adapted to convert at least 60% carbon monoxide.

18. (New) A method of removing carbon monoxide from reformed gas comprising selectively oxidizing carbon monoxide by contacting the reformed gas with a catalyst according to claim 10.

19. (New) In a platinum containing catalyst supported by a mordenite carrier for the selective oxidation of carbon monoxide

the improvement comprising

using as the catalyst an alloy containing platinum, and a second metal other than platinum, wherein the second metal is present in an amount of 20-50 at. %.

20. (New) A catalyst for oxidizing a reformed gas for removing carbon monoxide contained in the reformed gas, comprising

a zeolite-containing carrier and a platinum alloy carried thereon,
wherein the zeolite containing carrier is mordenite, and
wherein said platinum alloy comprises at least about 50 at. % platinum and 20-50 at. % of ruthenium, iron, cobalt, molybdenum, nickel or manganese.

21. (New) A method for removing carbon monoxide from a reformed gas comprising

providing a platinum alloy catalyst supported by a mordenite carrier, wherein said platinum alloy comprises platinum and 20-50 at. % of an alloy metal other than

platinum, and

contacting said reformed gas with said catalyst.